



RESEARCH

NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION

Overview of NOAA Research and Context for GOMO Review

Emily Menashes - Deputy Assistant Administrator for Programs & Administration

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NOAA Mission



NOAA's Mission: Science, Service and Stewardship:

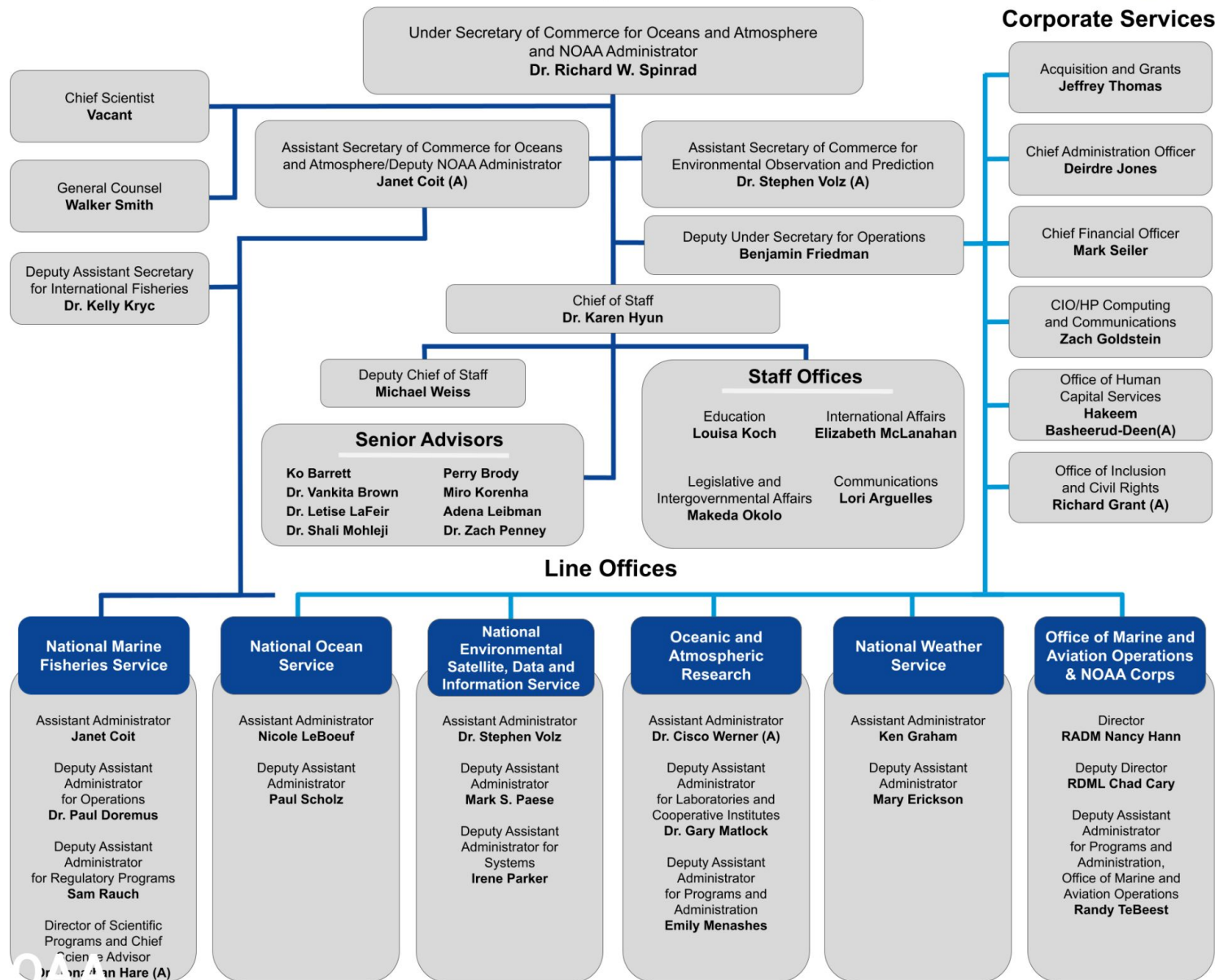
1. To understand and predict changes in climate, weather, oceans and coasts;
2. To share that knowledge and information with others; and
3. To conserve and manage coastal and marine ecosystems and resources.



(PDO) = Performing the Duties of
(A) = Acting

NOAA Headquarters Organization

Office of the Under Secretary for Oceans and Atmosphere

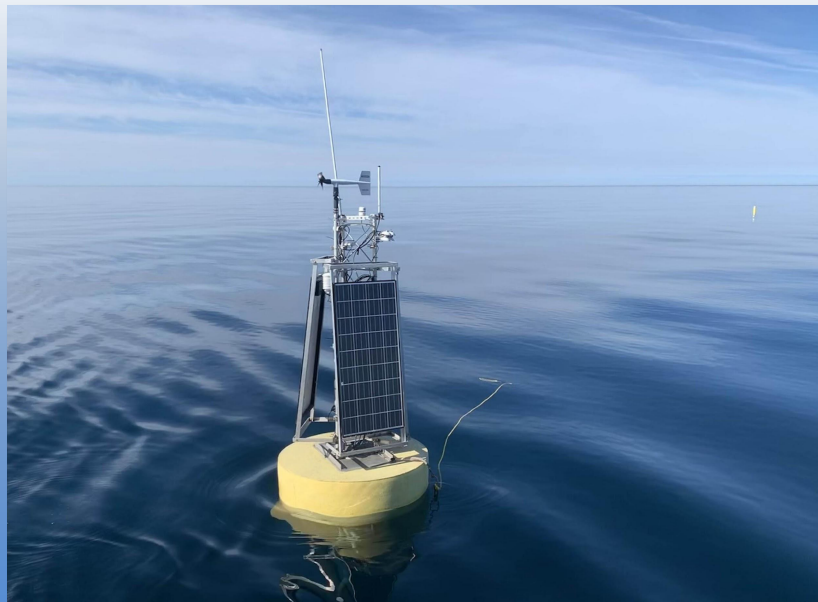


Updated 6/07/2022





NOAA's Office of Oceanic and Atmospheric Research (OAR)



Deliver NOAA's Future

VISION



Conduct research to understand and predict the Earth system; develop technology to improve NOAA science, service, and stewardship; and transition the results so they are useful to society.

MISSION



OAR Strategic Goals and Outcomes

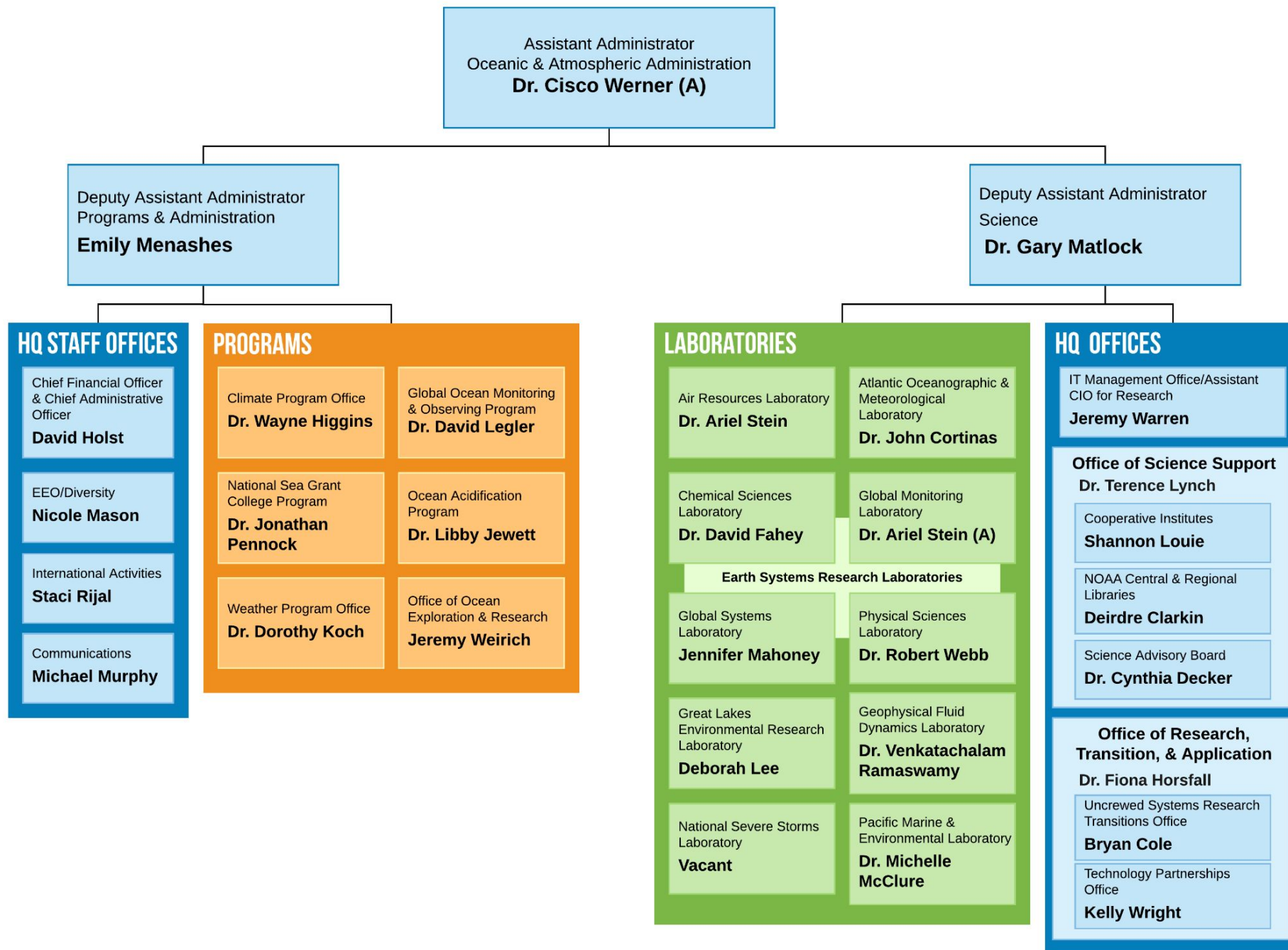


GOMO is the lead for two of the outcomes in OAR's Implementation Plan:

- Increase the **Argo** Program to global geographic ocean coverage in its three mission spaces of core Argo, deep Argo, and biogeochemical Argo. (Under Goal 2)
- Increase the ability of **Arctic** communities to deal with future changes in **sea ice** by providing improved sea-ice prediction skill. (Under Goal 4)

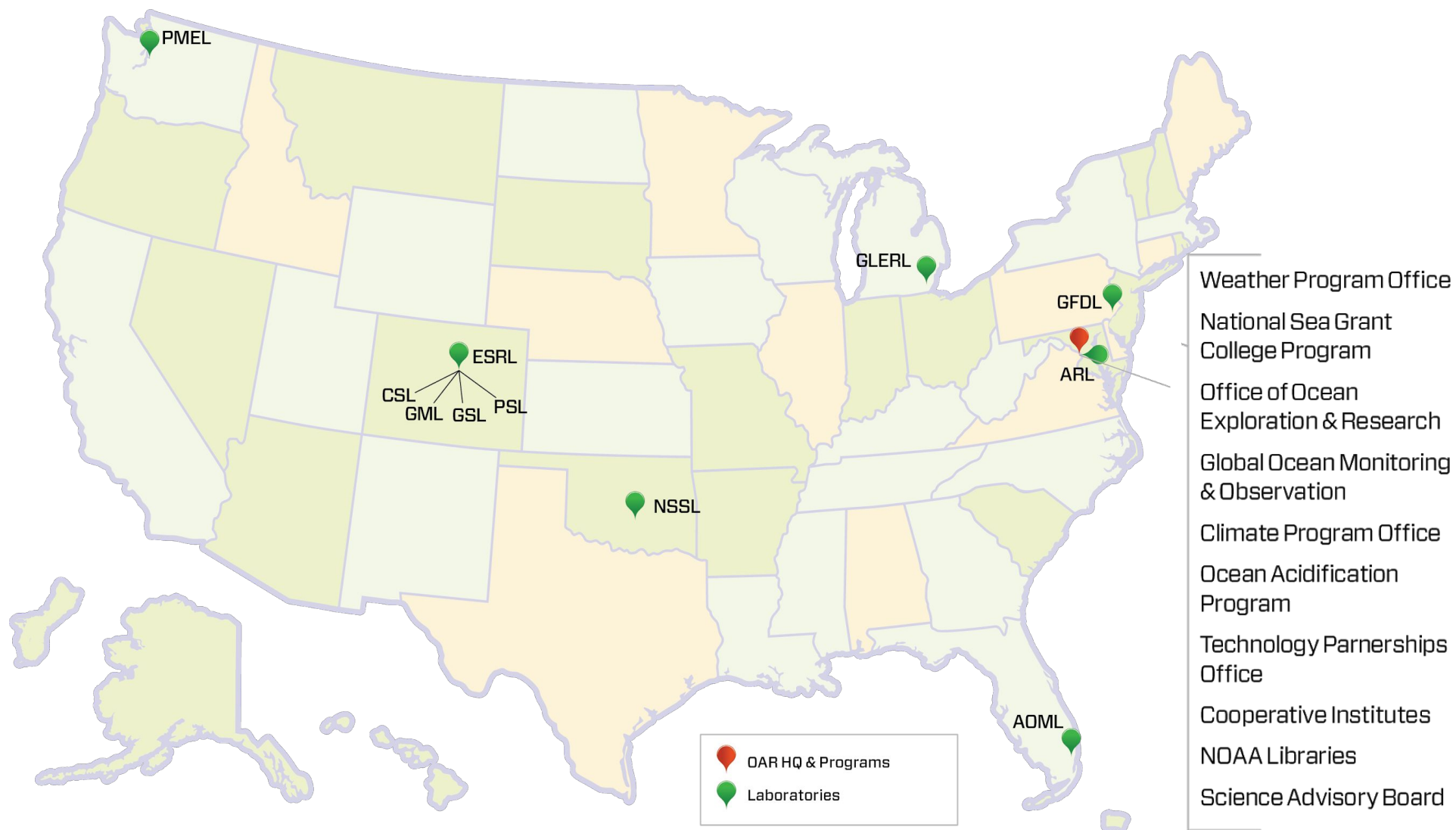


Oceanic & Atmospheric Research (OAR) Organization 06-06-2022





OAR Labs and Programs





Global Ocean Monitoring and Observing (GOMO)



Mission

To provide and support high quality global ocean observations and research to improve our scientific understanding and inform society about the ocean's role in environmental change.





GOMO Leadership



Dr. David Legler, GOMO Director

Dr. Legler has led GOMO since 2011. Before coming to NOAA, Dr. Legler directed the US Climate Variability and Predictability program (CLIVAR). He has also served on numerous national and international committees addressing global ocean observations, research, and data management.



Jessica Snowden, GOMO Deputy Director

Ms. Snowden has served as GOMO's deputy director since 2020. She worked previously for the U.S. Integrated Ocean Observing System (IOOS). She also served as policy coordinator for the American Fisheries Society.





NOAA Science Reviews



- NOAA Administrative Order (NAO) 216-115B requires that NOAA research and development activities be evaluated every five years by independent peer review.
- OAR Circular 216-3 implements the NOAA requirements within OAR.
- OAR conducts these science reviews at the laboratory and program level.



How Does OAR Define Success?

Three Evaluation Criteria:

1. **Quality** is a measure of the novelty, soundness, accuracy, and reproducibility of a specific body of research. Indicators include publications, technology development, data contributions, and awards.
2. **Relevance** is a measure of how well a specific body of research supports NOAA's mission and the needs of users and the broader society.
3. **Performance** is a measure of effectiveness and efficiency. It includes an assessment of the organization's leadership, management, operations, workforce, organizational culture, strategic planning, progress towards performance targets and milestones, efficiency in resource utilization, and transition of research to operations.



Scope of Review

- Quality, relevance and performance of research and activities sponsored or conducted by NOAA's GOMO over the last 5 years (2017).
- Recommendations for improvements moving forward.
- Progress on implementing strategic plans and insights for future planning.



How OAR Uses Reviews

- Evaluate quality, relevance, and performance of research
- Develop and implement recommendations to make improvements
- Maintain consistency with NOAA strategic planning, budgeting & execution
- Assist labs and programs in strategically planning future science
- Identify common themes and priorities so that OAR can determine mechanisms, policies or actions to address corporately



Thank You!

